

Data File : VW011579.D
Acq On : 30 Jul 2019 16:46
Operator : SY/VA
Sample : K4070-13MSD
Misc : 5.22G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DB9E3MSD

Quant Time: Jul 31 03:02:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 02:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	411767	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	361728	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	163218	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	128301	22.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.52%
7) Chloroethane-d5	2.89	69	95470	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.44%
10) 1,1-Dichloroethene-d2	4.02	63	300582	22.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.44%
20) 2-Butanone-d5	7.07	46	90052	34.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.98%
24) Chloroform-d	7.65	84	255319	22.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.32%
26) 1,2-Dichloroethane-d4	8.31	65	147909	22.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.40%
29) Benzene-d6	8.27	84	536985	23.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.44%
33) 1,2-Dichloropropane-d6	9.27	67	173211	23.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.36%
37) Toluene-d8	10.32	98	471857	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.48%
38) trans-1,3-Dichloropropene-	10.58	79	67662	21.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.08%
39) 2-Hexanone-d5	10.93	63	59608	34.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118234	19.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	147019	23.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.48%

Target Compounds

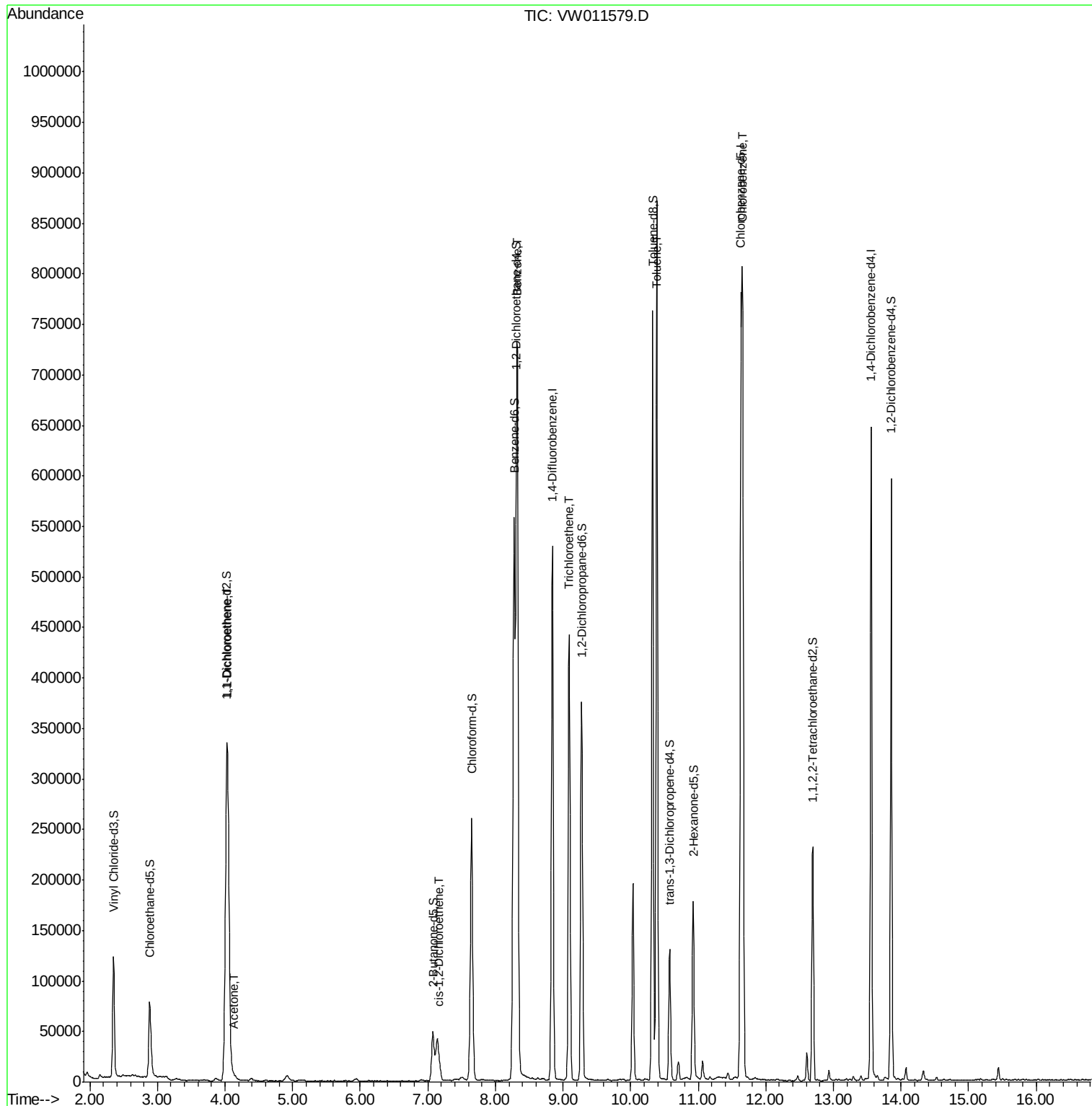
						Qvalue
12) 1,1-Dichloroethene	4.04	96	130348	22.040	ug/L	84
13) Acetone	4.13	43	4180	1.495	ug/L	81
22) cis-1,2-Dichloroethene	7.17	96	7421	1.161	ug/L	91
34) Benzene	8.32	78	602377	23.763	ug/L	100
35) Trichloroethene	9.09	95	154415	23.995	ug/L	100
44) Toluene	10.39	91	618246	24.006	ug/L	100
52) Chlorobenzene	11.66	112	368934	23.744	ug/L	99

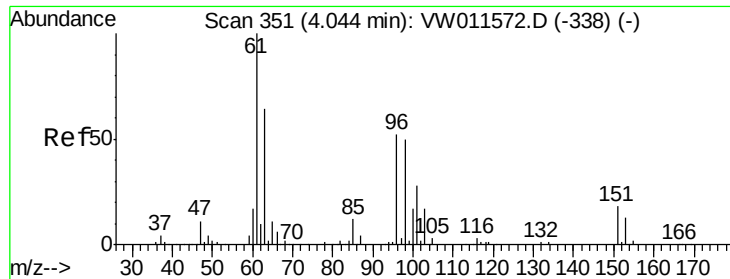
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 22.040 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

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Acq: 30 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

DB9E3MSD

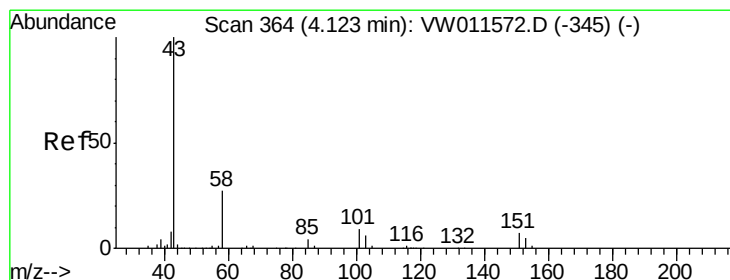
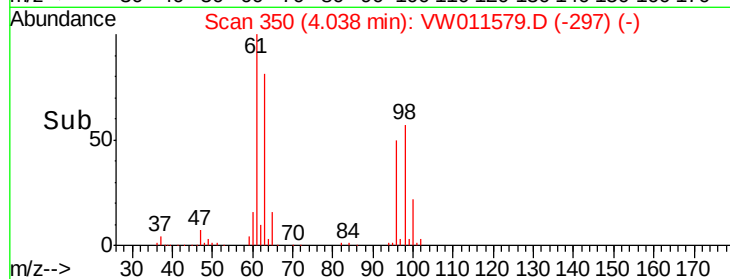
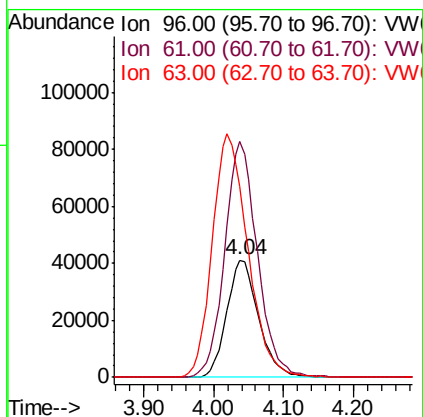
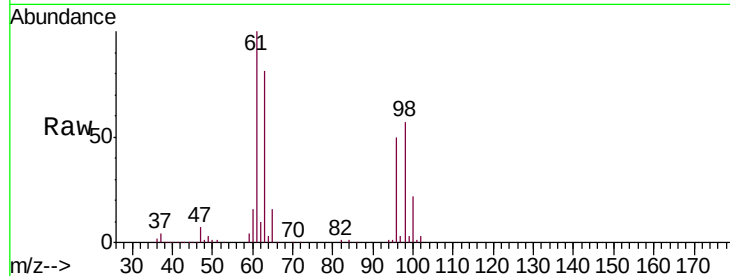
Tgt Ion: 96 Resp: 130348

Ion Ratio Lower Upper

96 100

61 201.4 135.0 250.8

63 163.5 89.2 165.8



#13

Acetone

Concen: 1.495 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011579.D

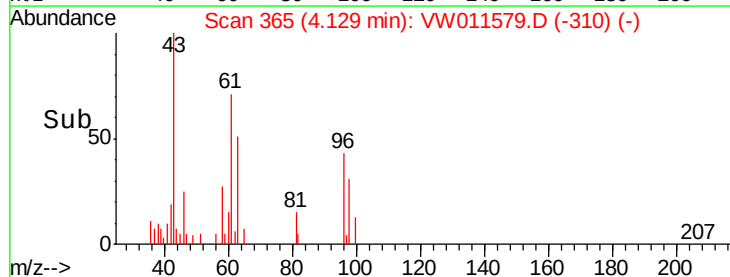
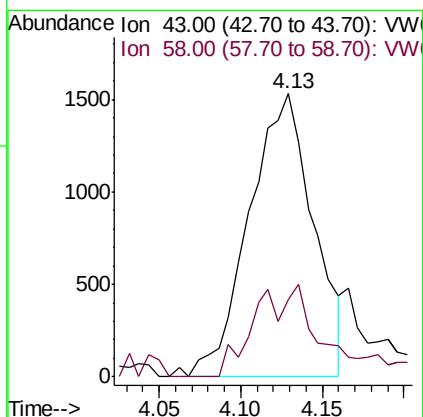
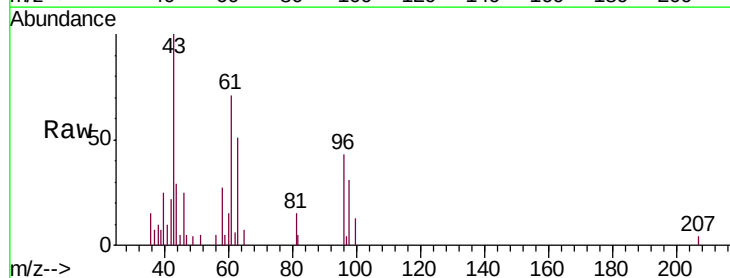
Acq: 30 Jul 2019 16:46

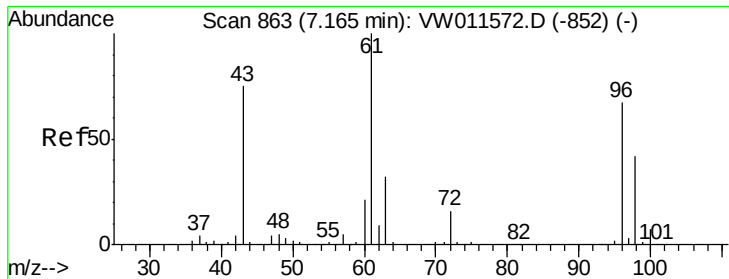
Tgt Ion: 43 Resp: 4180

Ion Ratio Lower Upper

43 100

58 16.8 0.0 53.4



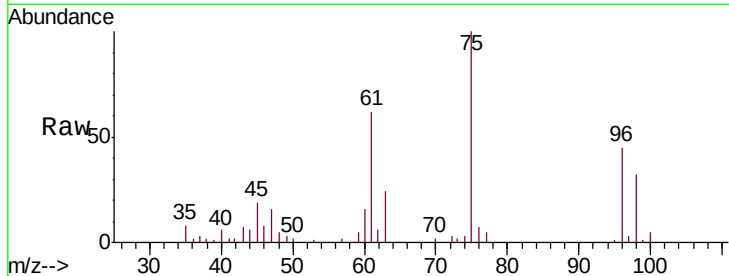


#22

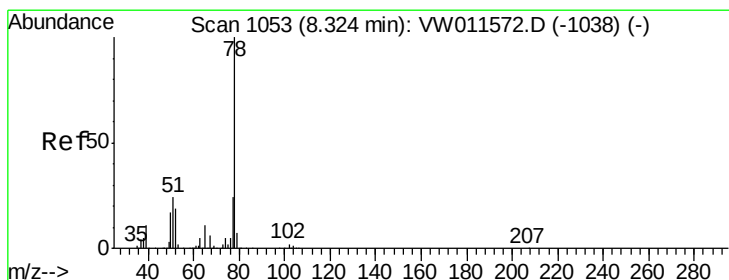
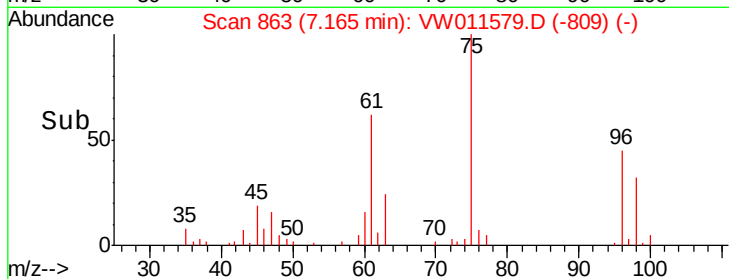
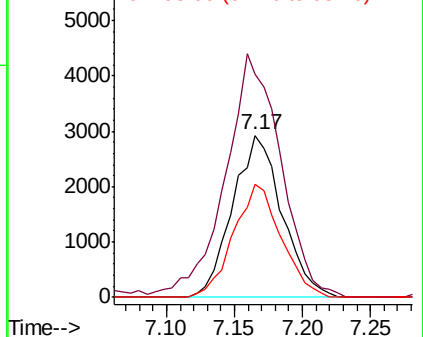
cis-1,2-Dichloroethene
Concen: 1.161 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011579.D
Acq: 30 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
DB9E3MSD

Tgt Ion: 96 Resp: 7421
Ion Ratio Lower Upper
96 100
61 137.7 103.9 192.9
98 69.9 43.5 80.9



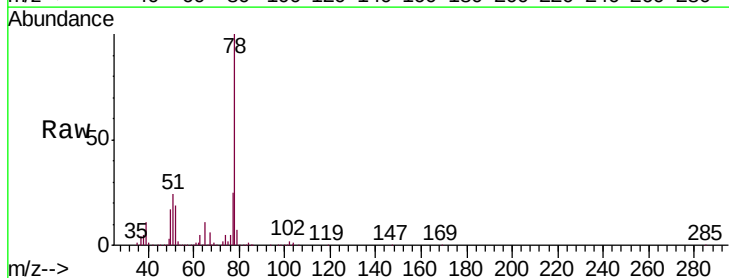
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



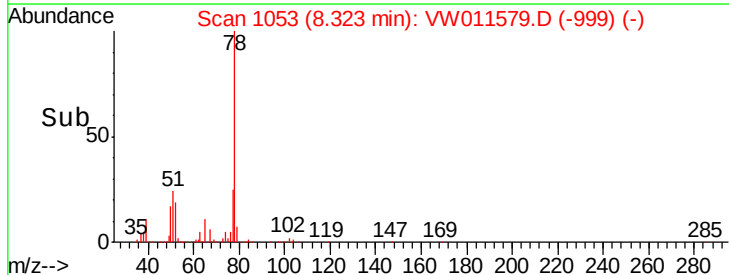
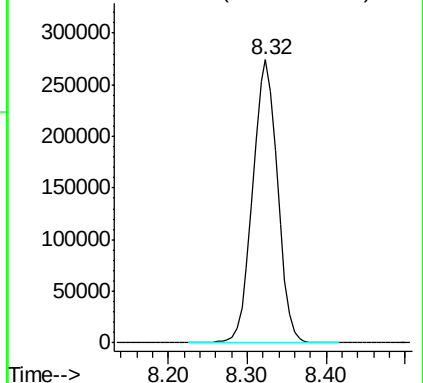
#34

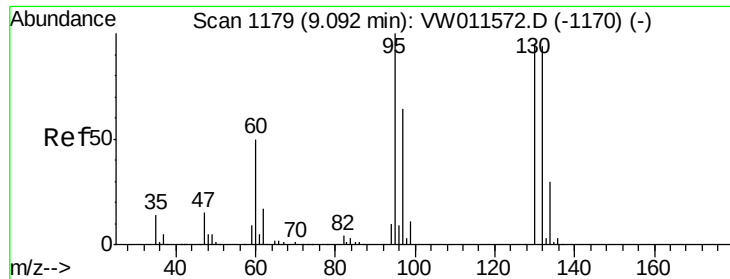
Benzene
Concen: 23.763 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011579.D
Acq: 30 Jul 2019 16:46

Tgt Ion: 78 Resp: 602377



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.995 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011579.D

Acq: 30 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

DB9E3MSD

Tgt Ion: 95 Resp: 154415

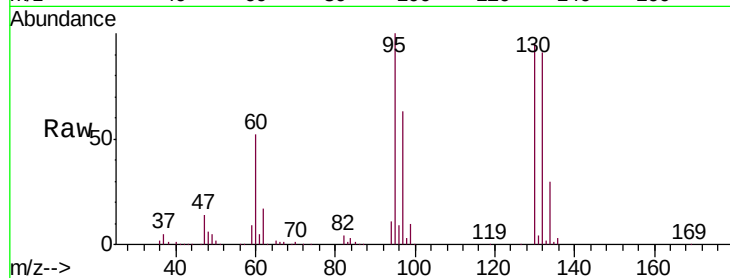
Ion Ratio Lower Upper

95 100

97 64.0 44.8 83.2

132 92.3 65.0 120.6

130 96.9 68.0 126.4



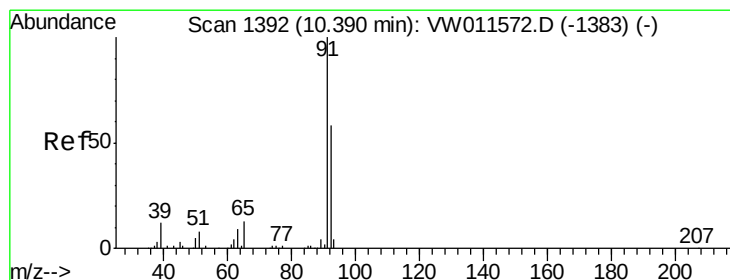
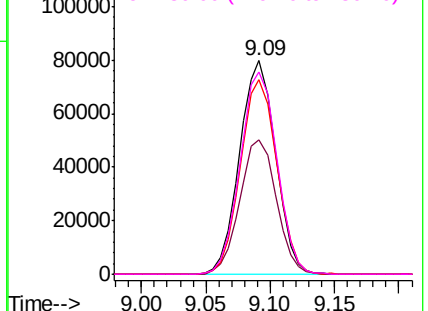
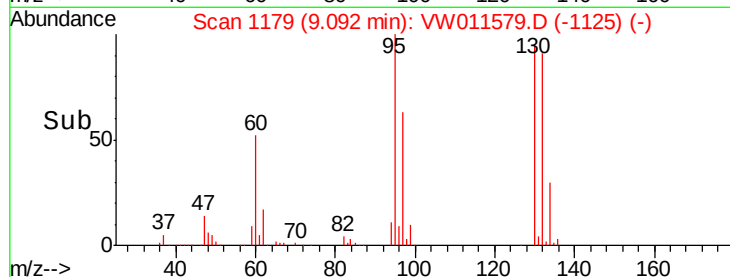
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

Toluene

Concen: 24.006 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011579.D

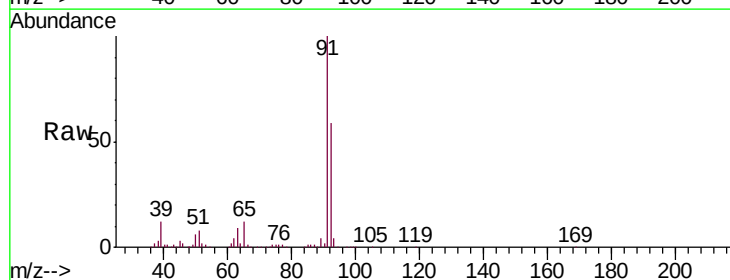
Acq: 30 Jul 2019 16:46

Tgt Ion: 91 Resp: 618246

Ion Ratio Lower Upper

91 100

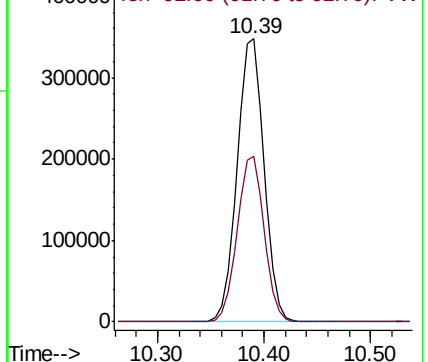
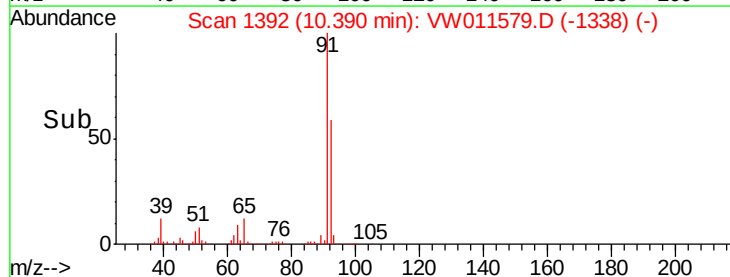
92 58.7 40.9 76.0

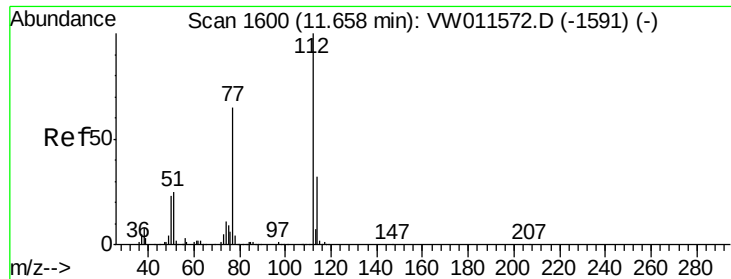


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

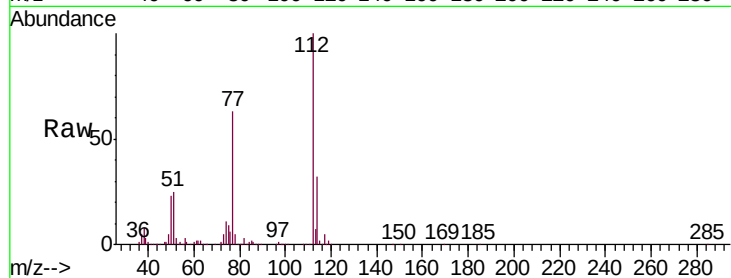




#52
Chlorobenzene
Concen: 23.744 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011579.D
Acq: 30 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
DB9E3MSD

Tgt Ion	Ratio	Lower	Upper
112	100		
77	63.1	51.0	76.4
114	32.1	22.4	41.6



Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V

